

Claims

What is claimed is:

- 5 1. A composition comprising: (i) a coating solvent comprising a liquid carrier, and at least one fluorocarbon surface tension-reducing agent; and (ii) a coating moiety dissolved therein.
2. The composition of claim 1 wherein the fluorocarbon is an about 3 to about 8
10 carbon atom linear, branched, or cyclic, saturated or unsaturated aliphatic compound having at least one fluorine atom bonded to a carbon atom thereof.
3. The composition of claim 1 wherein the liquid carrier comprises one or more fluorinated alcohols selected from the group consisting of alcohols having from about 3 to
15 about 7 carbon atoms and from about 1 to about 13 fluorine atoms.
4. The composition of claim 2 wherein the fluorocarbon is selected from the group consisting of 1,1,1,3,3-pentafluoropropane (HFC245fa), 1,1,1,2,2-pentafluorobutane (HFC365mfc) and mixtures thereof.
- 20 5. The composition of claim 1, wherein said coating solvent comprises:
 - (i) a liquid carrier present in an amount up to about 99 vol. %; and
 - (ii) from about 1 Vol. % to about 75 Vol. % of said fluorocarbon surface tension-reducing agent;

and wherein the coating solvent has dissolved therein up to about 10 wt. % of a coating moiety.

6. The composition of claim 5 wherein the liquid carrier is 2,2,3,3-
5 tetrafluoropropanol.

7. The composition of claim 6 wherein the liquid carrier is present to a level of at least about 60 vol. % .

10 8. The composition of claim 5, wherein the surface tension-reducing agent is 1,1,1,3,3-pentafluoropropane (HFC245fa) and is present to a level of no greater than about 25 vol. %.

9. The composition of claim 5, wherein the surface tension-reducing agent is
15 1,1,1,2,2-pentafluorobutane (HFC365mfc) and is present to a level of no greater than about 40 vol. %.

10. The composition of claim 8, wherein the surface tension reducing agent is present to a level of about 20 vol. % and the coating solution has dissolved therein from about 1 wt.
20 % to about 2 wt. % of a coating moiety.

11. The composition of claim 5, wherein the liquid carrier is 2,2,3,3,4,4,5,5-octafluoropentanol.

12. The composition of claim 6 further comprising as a liquid carrier up to 50 vol % octafluoropentanol.

13. A method of applying a layer of a film-forming coating moiety to a surface of a
5 substrate comprising applying a coating of a composition of claim 1 to said substrate surface and removing said liquid carrier and said surface tension-reducing agent from said coating.

14. The method of claim 13, wherein said coating is formed from a coating solution
10 applied to said substrate surface by spin coating.

15. The method of claim 13, wherein said coating is formed from a coating solution applied to said substrate surface by dip coating.

15 16. A surface coating prepared by the method of claim 13.